

June 2012 Update to the Five-Year Review

Box Elder, South Dakota

Issues & Recommendations Update

Five-Year Review Date: 9/28/2010

OU	Issue	Recommendations / Follow-up Actions	Status of Follow-up Actions
1	Unsaturated soils at OU1 may be eligible for partial deletion.	Evaluate OU1 for partial deletion of surface soil, unsaturated subsurface soil, surface water and sediment from the NPL.	Complete. Final deletion published 5/26/2012.
1 4 5 12	Several maintenance issues were noted at these OUs during the site inspection.	Review the current maintenance plan, and either revise the plan or improve its implementation	Operations and maintenance work plan revised.
11	A contaminant "smear zone" at OU1 remains near the water table.	Use oxygen infusion and IRT dechlorination to treat remaining contamination.	Complete.
11	The fish ingestion pathway transferred from OU9 to OU11, was never formally eliminated as a concern, although adequate data was collected to do so.	Formalize a determination for the fish ingestion pathway in a decision document.	Complete.
11	Active groundwater extraction of OU1 has become inefficient.	Shut down extraction systems, implement biosparging.	Complete.
11	Recent off-base groundwater sampling and evaluation indicates that limited non-potable groundwater use would be protective of human health.	Complete evaluation of the administrative process to return limited non-potable beneficial use of groundwater to off-base residents.	Complete.
11	Pump-and-treat systems, some of which focused on base-boundary protection, are being replaced with IRT walls operating through plumes.	Revise the LTM plan to describe when active groundwater remediation can be replaced by passive treatment, and when groundwater remediation and groundwater monitoring can be terminated	Considered and not implemented. Operations and operations and maintenance work plan revised October 2011. Superseded by ROD amendment, February 2012.